
Editorial Board

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- *Stabilized and multiscale finite element methods*
- *Computational fluid dynamics*
- *Adaptive methods*
- *Stochastic finite elements*

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- *Computational fluid dynamics*
- *Finite element methods*
- *Viscoelastic flows*
- *Free-surface flows*
- *Shape optimization*
- *Physiological model development*
- *Aeroelasticity*
- *Parallel computing*

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- *Modeling in electromagnetism*
- *Analysis of PDEs*
- *Nonsmooth solutions of PDEs*
- *Discretization and numerical analysis of PDEs*
- *High performance computing*

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- *Singularities of elliptic boundary value problems*
- *Singular perturbations*
- *Spectral analysis*
- *Maxwell equations*
- *Finite element computations*

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- *Continuum mechanical modeling*
- *Experimental mechanics/material's characterization*
- *multiphase continuum mechanics/theory of porous media*
- *Extended continua (Cosserat/micromorphic continua)*
- *Numerical treatment of multifield problems*

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- *Domain decomposition*
- *Preconditioning*
- *Iterative methods*
- *Parallel computing*

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- *Numerical analysis*
- *FE methods*
- *Discontinuous Galerkin FE methods*
- *Fluid flows*
- *3D Navier–Stokes equations*
- *3D Turbulence*
- *Magneto-hydrodynamics*
- *Maxwell equations*
- *Nonlinear conservation equations*
- *HJ equations*
- *Entropy viscosity*
- *Radiative transport equation*
- *Boltzmann equation*

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- *Numerical analysis including: FEM, BEM, coupling*
- *Domain decomposition, Schwarz methods*
- *Preconditioners, p -, hp -versions approximation of singularities*
- *Fractional order Sobolev spaces*

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- *Nonconforming finite element methods*
- *Adaptive finite element methods*
- *Reissner–Mindlin plate problems*
- *Eigenvalue problems*
- *Variational inequalities*

Mieczyslaw Kuczma

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Editorial Board — *continued*

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- *Mechanics of solids and structures*
- *Smart materials and structures*
- *Variational inequalities*
- *Complementarity problems*
- *Finite elements*

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- *Numerical analysis*
- *Computational electromagnetics*
- *Finite element method*
- *Superconvergence*
- *Singular perturbation problems*
- *Radial basis functions*

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- *FEM*
- *Hp-FEM and spectral methods*
- *Meshless methods*
- *BEM*
- *Adaptivity*
- *Numerical methods for singular perturbations*
- *Helmholtz equation*
- *Scattering problems*
- *Approximation theory*

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- *Numerical analysis*
- *Computational acoustics and electromagnetics*

- *Mathematical modeling in the physical and biological sciences*

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- *Adaptive meshing*
- *Parallel computing*
- *Uncertainty quantification*
- *Linear system solvers*
- *Domain decomposition theory*
- *Geophysical modeling*
- *Scientific software*

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- *Finite elements*
- *A posteriori error estimation*
- *Adaptive methods*
- *Model adaptivity*
- *Verification and Validation*
- *Inverse problems*
- *Uncertainty quantification*

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- *High order finite elements*
- *Mixed finite elements*
- *Preconditioning*
- *Maxwell equations*

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- *Discontinuous Galerkin methods: time-domain computational electromagnetics and acoustics*
- *Artificial viscosity schemes*
- *Shallow water equations*
- *Local time stepping methods*
- *Convergent adaptive schemes for elliptic problems*
- *Adaptive hybridized DG methods*
- *Preconditioning, Newton–Krylov solvers*
- *Artificial boundary conditions for hyperbolic PDEs*
- *GPU/many-core computing*

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- *Computational biomechanics*
- *High-order FEMs*
- *Singularities in elliptic PDEs*
- *Numerical analysis of nonlinear elliptic PDEs*
- *Fracture mechanics*

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- *Material modeling*
- *Particulate flow*
- *Electromagnetics and homogenization*